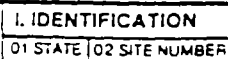


POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT						I. IDENTIFICATION 01 STATE 02 SITE NUMBER <u>OH</u> <u>004179</u> <u>453</u>	
II. SITE NAME AND LOCATION							
01 SITE NAME (Legal, common, or descriptive name of site) <u>Argo-Tech Inc. (TRW Inc.)</u>				02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <u>23555 Euclid Avenue</u>			
03 CITY <u>Euclid</u>		04 STATE <u>CH</u>		05 ZIP CODE <u>44117</u>		06 COUNTY <u>Cuyahoga</u>	
07 COUNTY CODE <u>35</u>		08 CONG DIST <u>19</u>					
09 COORDINATES LATITUDE <u>41 35 00.0</u>				LONGITUDE <u>-81 31 00.0</u>			
10 DIRECTIONS TO SITE (Starting from nearest public road) <u>From I-271 North to I-90 West. Euclid Ave exit. Go west on Euclid to east 222nd St. Site is located on North side of Euclid Ave. between east 222nd and 228th St.</u>							
III. RESPONSIBLE PARTIES							
01 OWNER (If known) <u>Argo-Tech (TRW Inc.)</u>				02 STREET (Business, mailing, residential) <u>As above</u>			
03 CITY		04 STATE		05 ZIP CODE		06 TELEPHONE NUMBER <u>(216) 692-6000</u>	
07 OPERATOR (If known and different from owner) <u>Same</u>				08 STREET (Business, mailing, residential)			
09 CITY		10 STATE		11 ZIP CODE		12 TELEPHONE NUMBER ()	
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN							
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>08.15.80</u> MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> C. NONE							
IV. CHARACTERIZATION OF POTENTIAL HAZARD							
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input type="checkbox"/> NO <u>multiple</u>				BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input checked="" type="checkbox"/> D. OTHER CONTRACTOR <u>Engineering Science</u> <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): <u>Engineering Science</u>			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN				03 YEARS OF OPERATION <u>ca 1945</u> <u>1985</u> <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <u>Metal plating wastes including hydrides of Cd, Cu, Pb, Cr, Ni, Ba</u> <u>Torpedo fuel waste from test firing: Propylene glycol dinitrate (PGDN); di-n-butyl sebacate; 2 nitro Cyanides; Trichloroethane</u>							
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>Contamination of groundwater and surface water off site (Environment/Population)</u> <u>On site contamination in drum storage areas</u>							
V. PRIORITY ASSESSMENT							
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input checked="" type="checkbox"/> D. NONE (No further action needed, complete current disposition form)							
VI. INFORMATION AVAILABLE FROM							
01 CONTACT <u>Dan Markowitz</u>		02 OF (Agency/Organization) <u>CEPA - NEDO - DERR</u>			03 TELEPHONE NUMBER <u>(216) 425 9171</u>		
04 PERSON RESPONSIBLE FOR ASSESSMENT <u>Regan Williams</u>		05 AGENCY <u>CEPA</u>		06 ORGANIZATION <u>NEDO-DERR</u>		07 TELEPHONE NUMBER <u>(216) 425 9171</u>	
		08 DATE <u>07.18.90</u> MONTH DAY YEAR					





<input checked="" type="checkbox"/> A TOXIC	<input type="checkbox"/> E SOLUBLE	<input type="checkbox"/> I HIGHLY VOLATILE
<input type="checkbox"/> B CORROSIVE	<input type="checkbox"/> F INFECTIOUS	<input type="checkbox"/> J EXPLOSIVE
<input type="checkbox"/> C RADIOACTIVE	<input type="checkbox"/> G FLAMMABLE	<input checked="" type="checkbox"/> K REACTIVE
<input checked="" type="checkbox"/> D PERSISTENT	<input type="checkbox"/> H IGNITABLE	<input type="checkbox"/> L INCOMPATIBLE
		<input type="checkbox"/> M NOT APPLICABLE

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

V. FEEDSTOCKS (See Appendix for CAS Numbers)

VI. SOURCES OF INFORMATION (Cite specific references e.g., 31MR 1402, 33MR09 analysis, reports)

- EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 8004179453

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: UNK

02 ☒ OBSERVED (DATE: 1985)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Accidental discharges of torpedo fuel, liquid residues and cyanides to swampy area to the south of the fenced compound through a discharge pipe from underground 1000 gal separator tank.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: 1985)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Stream sediments up to 240 mg/kg PGDN
Cyanide concentrations averaged 6 mg/kg in top 1 foot of stream sediments and up to 1.2 mg/L in the water.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Exhaust gases from torpedo test firing vented to air contained low concentrations of hydrogen cyanide and ammonia

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

UNK

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

UNK

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 600 Ft²

02 ☒ OBSERVED (DATE: 1985)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

600 ft² area around discharge pipe contained detectable quantities of PGDN & cyanides - Cyanides up to 2 mg/kg 100 ft. south of discharge area. Soil around building 49- 543 mg/kg PGDN & 17 mg/kg Cyanides.

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

UNK - unlikely

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: UNK

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

UNK



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D004179453

II. HAZARDOUS CONDITIONS AND INCIDENTS *Continued*

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNK

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNK

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

PCDN and cyanides in swampy area and stream off site could enter food chain.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

02 ☒ OBSERVED (DATE: before 1985)

☐ POTENTIAL

☐ ALLEGED

(Storage tanks/landfill leachate/sewage drums)

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

Pipe from 1000 gal underground separator tank intermittently discharged PCDN residue and cyanides into off site swampy area.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 1985)

☐ POTENTIAL

☐ ALLEGED

As above

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 1985)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNK

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

UNK

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

ArgoTech (TRW Inc) is a RCRA regulated site ~~is~~ (TAPCO facility) which has three HWMUs. Two of the HWMUs have now achieved clean closure (Dock 2-B; Bldg 49) closure work has been completed on Bldg 45 and report has been submitted to EPA for final approval.

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, lab test analyses, reports)

- ① RCRA files - NEDO
- ② Wastewater files - NEDO
- ③ Closure Plan - Prepared for TRW by Engineering Science (Bldg 45, 49, Dock 2-B)
- ④ Bruce Richardson - Environmental Control manager - Argo Tech
- ⑤ Andy Resotar - Environmental Project Manager - TRW

NFA - YG
11/8/90

P.A.
Argo-Tech Inc. (TRW Inc.)
Cuyahoga County
OHD004179453

5E0401-A0403

no
has
substance

The TAPCO facility, formerly owned by TRW Inc. and now owned by Argo-Tech Inc., is located about two miles south of Lake Erie in an industrial area in the City of Euclid, Cuyahoga County, Ohio. The property consists of more than 200 acres on both sides of Euclid Avenue between E. 222nd and E. 228th Streets. All of the buildings are on the north side of Euclid Avenue between Euclid and the N&W Railroad tracks. The facility was built in the 1940s. Over a period of more than 40 years varied manufacturing practices were conducted including forging, heat treatment, machining, metal finishing and electroplating. Additional activities including aircraft engine and weapons testing took place under contract with the federal government.

56th

The TAPCO property and testing facilities were sold by TRW Inc. effective October 20, 1986. Pursuant to purchase agreements, TRW Inc. has agreed to proceed with closure of those portions of the TAPCO facility which had been granted interim status. A closure plan for the three HWMUs on the site (Dock 2-B, Bldg. 45, Bldg. 49) was prepared for TRW by Engineering Science (Nov. 1987).

Since 1981 Dock 2-B has been used mainly for storage and subsequent shipping of hazardous wastes in drums from all hazardous waste generating activities at the facility. Building 45 (the former target house) was also used for drummed hazardous waste storage from sometime prior to 1980 through 1985. Building 49, built in 1965, was used for torpedo testing activities. Wastewater containing liquid fuel residue and cyanides was generated by the test firing. Until late 1985 the wastewater was discharged through a 1000 gallon underground steel separation tank. Liquid fuel residues were separated in the tank and stored there pending off site disposal by incineration within 90 days. Unintentional discharges through a pipe from the separator tank containing cyanides and unburned liquid torpedo fuel were discovered in 1985 in a swampy area on the south side of the enclosure fence. The National Response Center was notified and TRW authorized studies of the discharge area by Engineering Science.

Use of all three HWMUs has been discontinued. Clean closure of two of the HWMUs has been achieved (Dock 2-B and Bldg. 49). The Closure Plan for Building 45 has been executed and the report has been submitted to the EPA for approval.

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Since the Argo-Tech (TRW) TAPCO facility is already regulated under RCRA and the Clean Closure process is in progress it is recommended that the site be given a ZERO priority for the state and a NFRAP FIT designation.

Submitted: Regan Williams
Reviewed by: Dan Markowitz

RW:lt

